Specifications

AMPLIFIER SECTION

Output power
(CD IN → SP. OUT)
2-CHANNEL OPERATION : **80 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.03% total harmonic distortion.**
70 watts per channel, min. RMS, both channels driven, into 8 ohms at 1kHz(DIN).
Intermodulation distortion : 0.03% at 80 watts (USA, CANADA)
0.03% at 70 watts (except USA, CANADA)
Input sensitivity / impedance
PHONO : 2.5mV / 47k ohms
TAPE 1 PLAY, TAPE 2 / VIDEO SOUND PLAY, CD : 200mV / 47k ohms
Recording output level : 200mV
Frequency response
PHONO (RIAA equalization) : 20 Hz – 20kHz ± 1dB
TAPE 1 PLAY, TAPE 2 / VIDEO SOUND PLAY, CD : 20 Hz – 20kHz ± 1dB
Signal-to-noise ratio
PHONO : 70dB ('66IHF)
78 dB ('78 IHF, REC OUT)
TAPE 1 PLAY, : 91 dB ('66IHF),
TAPE2 / VIDEO SOUND PLAY, CD : 80 dB ('78 IHF)
Tone controls
BASS : ±8dB (100Hz)
TREBLE : ±8dB (10kHz)

FM TUNER SECTION (IHF)

Tuning range : 87.5 MHz – 108.0 MHz
Usable sensitivity : Mono 10.8 dBf (0.95μV / 75 ohms)
50 dB quieting sensitivity : Mono 16.3dBf (1.8μV / 75 ohms)
Stereo 38.3 dBf (22.5 μV / 75 ohms)
Signal-to-noise ratio (IHF-A net, at 85dBf) : Mono 80 dB
Stereo 73 dB
Total harmonic distortion (1 kHz) : Mono 0.15%
Stereo 0.2%
Frequency response : 30Hz – 15kHz, (+0.5 dB, -3 dB)
Capture ratio (85 dBf) : 1.5 dB
Alternate channel selectivity : 60 dB (± 400kHz)
Stereo separation : 40 dB (at 1 kHz)

AM TUNER SECTION

MW
Tuning range

Area	Channel space	
	9kHz	10kHz
U.S.A. Canada	—	530kHz~1710kHz
Continental Europe, U.K.	522kHz~1629kHz	—
Australia	522kHz~1629kHz	—
Other Area	531kHz~1602kHz	530kHz~1600kHz

Total harmonic distortion : 0.5%* (100 mV / m)
Sensitivity : 30 μV* (external antenna)
300 μV / m* (loop antenna)
Signal-to-noise ratio : 50 dB* (100mV / m)
Selectivity : 25 dB (± 9kHz, ± 10 kHz)

* Measured at 1,000 kHz

LW
Tuning range

Area	Channel Space (1kHz)
U.S.A. Canada	—
Continental Europe, U.K.	144kHz~353kHz
Australia	—
Other Area	—

Sensitivity
Loop antenna : 600μV / m at 245kHz
External antenna : 100μV at 245kHz
Signal-to-noise ratio (100 mV / m) : 50dB at 245kHz
Selectivity : 32dB ± 9kHz at 245kHz

GENERAL

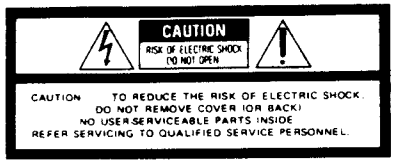
Dimensions (W × H × D) : 17-3 / 16" × 5" × 13" (435 × 126 × 330 mm)
Weight : 18.3 lbs. (8.3 kg)

Design and specifications subject to change without notice.

POWER SPECIFICATIONS

Area	Line Voltage & Frequency	Power Consumption
U.S.A. Canada	AC120V~, 60Hz	190 watts, 260 VA
Continental Europe	AC230V~, 50Hz	170 watts
U.K. Australia	AC240V~, 50Hz	410 watts
Other Area	AC110/127/220/240V~ ,selectable, 50/60Hz	170 watts

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.


CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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11 ***Using Auto-Memory***
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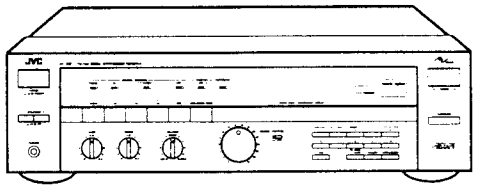
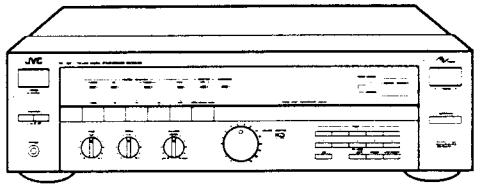
RX-207TN/RX-206BK



RX-307TN/RX-306BK



Introduction

Thank you for purchasing this JVC Receiver. We hope it will be a valued addition to your stereo system. Be sure to read these instructions carefully before operating the receiver. This manual gives you the basic information you need to set up and use your receiver. It explains everything you need to know from turning on the power switch to basic troubleshooting. Please consult your JVC dealer if you have any questions about the receiver.

Use this manual to help you with the following:

- Connect your other stereo components to the receiver.
- Learn the functions of the controls and indicators on the receiver.
- Preset radio stations into the receiver's memory.
- Operate the receiver.
- Troubleshoot, if there is a problem with the receiver.

This manual is organized as follows:

The first part of this manual tells you how to connect your other stereo components and antennas to the receiver.

The second part of this manual introduces you to the controls and indicators on the receiver.

The third part of this manual tells you how to operate the receiver.

The fourth part of this manual provides a troubleshooting guide and specifications for the receiver.

Use the following guidelines to help you follow the instructions in this manual:

- Keys or buttons to be pressed are indicated with capitalletters, for example: TUNING key.
- Connection points on the back of the receiver are indicated with all capital letters, for example: PHONO
- Names of indicators that light up on the receiver are indicated with all capital letters, for example: TUNED
- Steps that you need to follow to get the correct results, are labeled ***Important!***
- Additional information that is helpful to know, is labeled ***Note:***

Installation Preparation

Locating the Receiver

Install the receiver in a place that is level and protected from moisture.

The temperature around the receiver must be between 23° and 104° Fahrenheit (−5° and 40° Celsius).

Make sure there is good ventilation around the receiver. Poor ventilation could cause over-heating and damage the receiver.

The receiver could cause some interference with television reception. Locate the receiver away from your TV to prevent interference.

Making Power Connections

Do not handle the power cord with wet hands.

Do not pull on the power cord to unplug the receiver. Always pull the molded plug at the end of the cord instead.

Handling the Receiver

Do not insert any metallic object into the receiver.

Caution: To reduce risks, such as electric shocks or fires:

1. **Do not remove screws, covers, or cabinet.**
2. **Do not expose this appliance to rain or moisture.**

Compu Link Remote Control System

The RX-207TN/RX-206BK has COMPU LINK-1 SYNCHRO terminals and the RX-307TN/RX-306BK has COMPU LINK-3 SYNCHRO terminals. JVC's exclusive Compu Link Remote Control System connects equipment with JVC COMPU LINK-1 or COMPU LINK-3 SYNCHRO terminals to the remote control system. You can control equipment from the remote control unit, or you can use other functions such as automatic source selection and synchronized recording.

Equipment remote control

By connecting the COMPU LINK-1 or COMPU LINK-3 SYNCHRO terminal to the receiver, the equipment that does not have REMOTE SENSOR in its main unit can be remote controlled via REMOTE SENSOR of the receiver.

Automatic source selection

Pressing SOURCE SELECT keys will automatically put the corresponding source equipment into the PLAY mode. When you press the PLAY key on source equipment, the corresponding Source Select key is automatically set to that source. Other source equipment shuts down about 5 seconds later.

Note: *Automatic source selection does not function on a tape deck connected to the TAPE2/VIDEO SOUND terminals. This is applicable only with components that are compatible with JVC's Compu Link Remote Control System.*

Synchronized recording

With synchronized recording, a tape deck can start recording automatically with a CD player or turntable.

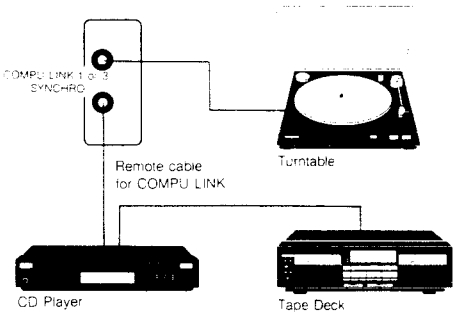
Note: *Read your tape deck manual for more information on synchronized recording. This is applicable only with components that are compatible with JVC's Compu Link Remote Control System.*

CD auto-changer with COMPU LINK-3 SYNCHRO terminal

You can turn on/off the CD auto-changer along with the RX-307TN/RX-306BK by connecting the COMPU LINK-3 SYNCHRO terminal of the CD auto-changer to the RX-307TN/RX-306BK. For details, refer to the CD Auto-Changer Instructions.

How to Connect Compu Link

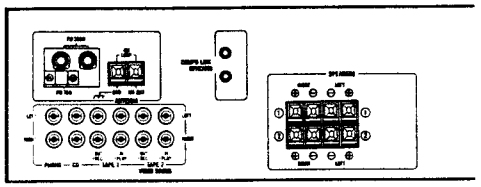
This diagram shows how Compu Link compatible components are connected to the COMPU LINK-1 or COMPU LINK-3 SYNCHRO terminals.



Important! *Do not connect the remote cable when connecting the JVC cassette deck having COMPU LINK-1/SYNCHRO terminals to the TAPE 2/VIDEO SOUND terminals.*

RX-306BK
RX-307TN

Stereo Component Connections

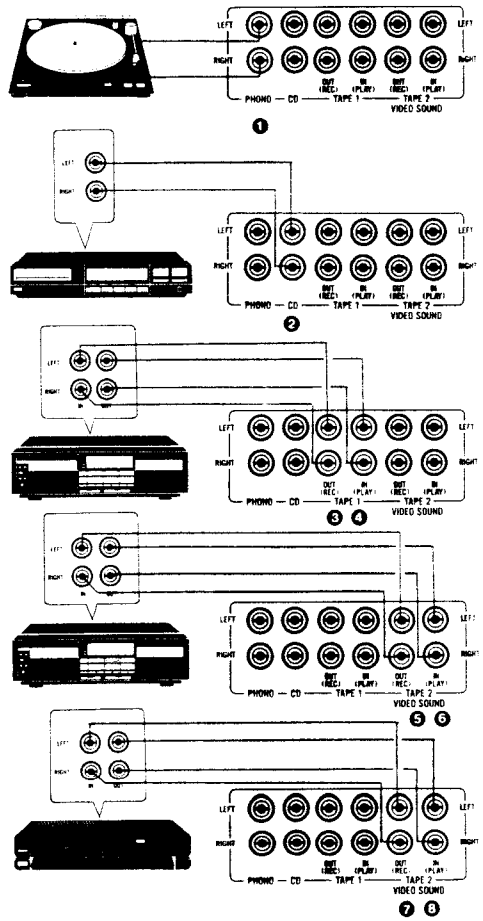


You can connect the following stereo components to the back of your receiver.

- Turntable
- Compact Disc Player
- Tape Deck(s)
- VCR or TV

The following instructions will show you how to connect stereo components to the receiver.

Important! *Make sure you connect the left channels of all stereo components to the left jacks on the top row of the receiver. Connect the right channels of all stereo components to the right jacks on the bottom row of the receiver. If you reverse the channels, the stereo sound will be affected.*



Turntable

❶ Connect the left and right channels on your turntable to the left and right jacks marked PHONO on the back of the receiver.

Important! *Use the receiver only with turntables that have a moving magnetic (MM) type cartridge.*

Compact Disc Player

❷ Connect the left and right channels on your compact disc player to the left and right jacks marked CD on the back of the receiver.

Tape Deck

❸ Connect the left and right "Line In" channels (jacks marked REC) on your tape deck to the left and right TAPE 1 jacks marked OUT (REC) on the back of the receiver.

❹ Connect the left and right "Line Out" channels (jacks marked PLAY) on the tape deck to the left and right TAPE 1 jacks marked IN (PLAY) on the back of the receiver.

Second Tape Deck

❺ Connect the left and right "Line In" channels (jacks marked REC) on your second tape deck to the left and right TAPE 2/VIDEO SOUND jacks marked OUT (REC) on the back of the receiver.

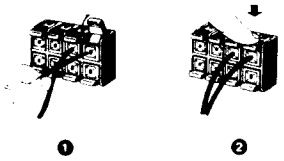
❻ Connect the left and right "Line Out" channels (jacks marked PLAY) of the tape deck to the left and right TAPE 2/VIDEO SOUND jacks marked IN (PLAY) on the back of the receiver.

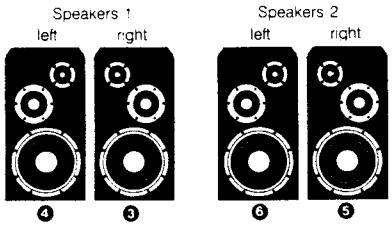
VCR or TV

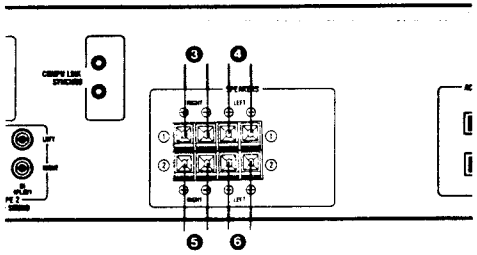
❼ Connect the left and right audio input channels on your VCR or TV to the left and right TAPE 2/VIDEO SOUND jacks marked OUT (REC) on the back of the receiver.

❽ Connect the left and right audio output channels on your VCR or TV to the left and right TAPE 2/VIDEO SOUND jacks marked IN (PLAY) on the back of the receiver.

Speaker Connections







You can connect two pairs of speakers (four speakers total) to this receiver. The two pairs of speakers are called Speakers 1 and Speakers 2.

Important! *Be sure to match the polarity of the speaker terminals with the polarity of the terminals on the receiver. (+) to (+) and (−) to (−).*

Note: *This receiver is only for use with speakers having impedance of 8 to 16 ohms. Check your speaker specifications to make sure the speakers have the correct impedance.*

Speaker Terminals

❶ When connecting speakers, open each terminal and insert the end of the speaker wire as shown.

❷ Close the terminals as shown to clamp the speaker wires in place.

Speakers 1

Connect the first pair of speakers (Speakers 1) to the receiver as follows:

❸ Connect the (+) and (−) terminals of the right-side Speaker 1 to the top (+) and (−) terminals marked RIGHT on the receiver.

❹ Connect the (+) and (−) terminals of the left-side Speaker 1 to the top (+) and (−) terminals marked LEFT on the receiver.

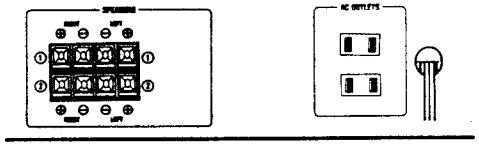
Speakers 2

If a second pair of speakers (Speakers 2) is to be used, connect them to the receiver as follows.

❺ Connect the (+) and (−) terminals of the right-side Speaker 2 to the bottom (+) and (−) terminals marked RIGHT on the receiver.

❻ Connect the (+) and (−) terminals of the left-side Speaker 2 to the bottom (+) and (−) terminals marked LEFT on the receiver.

AC Power Connections



Important! *Before you plug the power cord into an outlet, make sure all stereo components are connected correctly. Do not connect stereo components requiring more than 180 watts (total) to the receiver.*

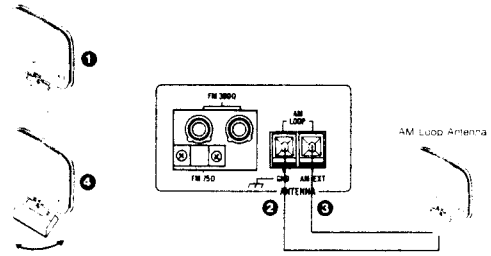
Caution. To prevent electric shock, turn all stereo components off before you install or remove power cords.

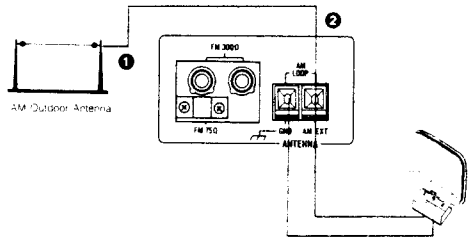
Plug the power cord on the back of the receiver into a 120 volt, 60 Hz AC household electrical outlet.

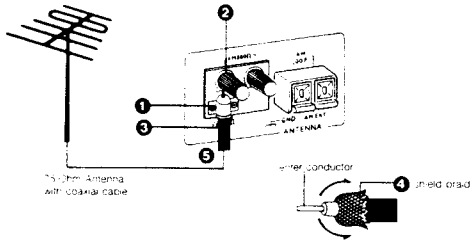
You can connect the power cords of the other stereo components to the two AC outlets on the back of the receiver.

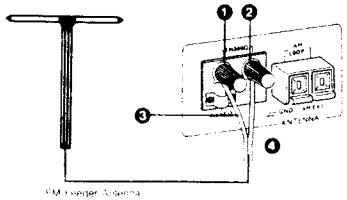
Note: *<RX-207TN/RX-206BK>*
The AC outlets provide power whenever the receiver is plugged in, regardless of the receiver's power switch setting.
<RX-307TN/RX-306BK>
The AC outlets are connected to the receiver's ON/STANDBY circuits. When the power switch is set to STANDBY, power will not be supplied.

AM and FM Antenna Connections









To receive radio broadcasts, you will have to connect AM and FM antennas to the receiver.

An AM loop antenna is included with your receiver.

FM antennas use two types of cable connections: 75-ohm cables have a round coaxial connection while 300-ohm cables have a flat connection.

AM Loop Antenna

❶ Fold out the loop from the antenna base.

❷ Connect one antenna wire to one of the AM LOOP terminals on the receiver.

❸ Connect the remaining antenna wire to the other AM LOOP terminal.

Note: *These two terminals open and close the same way as the speaker terminals.*

❹ Adjust the loop antenna as needed to get the best reception.

AM Outdoor Antenna

If your AM broadcast reception is unsatisfactory, you should connect an AM outdoor antenna in addition to the loop antenna.

Important! *The AM loop antenna must be installed to receive AM broadcasts. Do not disconnect the loop antenna when installing an outdoor antenna.*

❶ Install a single vinyl-covered antenna wire outdoors. The antenna wire shold be about 16 to 40 feet (5 to 12 meters) long.

❷ Connect one end of the antenna to the AM loop terminal marked AM EXT.

Note: *Except for the connection, make sure no uninsulated antenna wire touches the rear panel of the receiver. Otherwise, the receiver might not pick up AM broadcasts.*

FM 75-Ohm Antenna Cable

❶ Loosen the screws holding the bracket to the rear panel of the receiver.

❷ Loosen the cap of the 300/75-ohm terminal on the rear panel of the receiver.

❸ Insert the round antenna cable through the bracket from below.

❹ Make sure that the shield braid on the cable contacts the bracket, and that the center conductor of the cable contacts the 300/75-ohm terminal.

❺ Tighten the bracket screws and the cap on the 300/75-ohm terminal.

FM 300-Ohm Antenna Cable

❶ Loosen the cap on the 300/75-ohm terminal on the rear panel of the receiver.

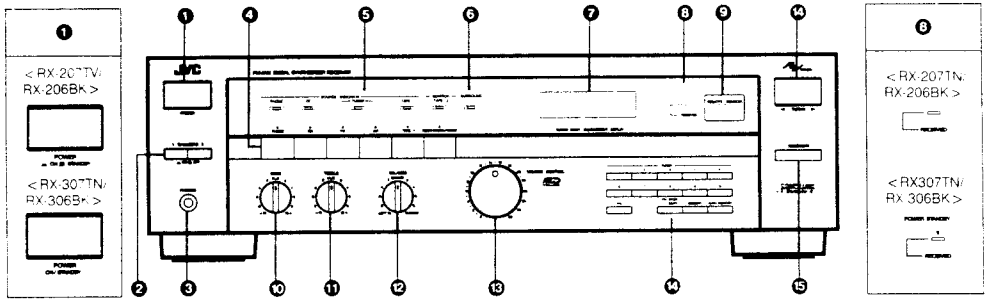
❷ Loosen the cap on the 300-ohm terminal on the rear panel of the receiver.

❸ Connect the two conductors of the antenna cable to the 300/75-ohm terminal and the 300-ohm terminal.

❹ Tighten the caps on both terminals.

Note: *Whether you use the 75-ohm or 300-ohm cable, make sure the antenna conductors do not touch any other terminals on the receiver. This could cause poor reception.*

Front Panel Controls



❶ Power Switch

Press this switch to turn on power to the receiver. Press the switch again to turn off the power and activate the STANDBY mode.

Note: *The receiver uses a small amount of power (5 watts) in the STANDBY mode. To disconnect power completely, unplug the power cord.*

❷ Speaker Switch

Press the two SPEAKERS switches in to turn Speakers 1 and Speakers 2 on. Press the SPEAKERS switches out to turn the speakers off.

❸ Headphone Jack

Stereo headphones may be connected here. For private listening, press both speaker switches off.

❹ Source Select

Use these six buttons to choose the stereo source you want to listen to. Source Indicator Lights show which source(s) have been selected.

PHONO: Press to listen to records.

CD: Press to listen to CDs.

FM: Press to listen to FM broadcasts.

AM: Press to listen to AM broadcasts.

TAPE 1: Press to use the tape deck connected to the TAPE 1 jacks on the receiver.

TAPE 2/VIDEO SOUND: Press to use the tape deck, graphic equalizer, or video equipment connected to the TAPE 2/VIDEO SOUND jacks on the receiver.

❺ Source Indicator Lights

These five lights tell you which stereo source(s) are being played through the receiver. The TAPE 2 MONITOR indicator may turn on or off independently while other indicators are on.

❻ Surround Indicator Lights

This indicator lights up when the surround switch is ON.

❼ Tuner Display Window

The Tuner Display Window indicators provide information on AM and FM broadcast reception. The Tuner Display Window is also used to set and recall preset radio stations.

❽ <RX-207TN/RX-206BK>

RECEIVED Indicator

This indicator lights up when signals are received from the remote control unit.

<RX-307TN/RX-306BK>

RECEIVED and POWER STANDBY Indicator

This indicator lights up when signals are received from the remote control unit or when the receiver is in the STANDBY mode.

❾ Remote Sensor

The Remote Sensor receives the signal sent by the remote control unit.

Note: *It is important to keep the Remote Sensor clear of obstructions in order for it to receive signals from the remote control unit.*

❿ Bass Control

This controls the low-frequency sound range. Turn the BASS control right to boost bass response. Turn left to decrease bass.

⓫ Treble Control

This controls the high-frequency sound range. Turn the TREBLE control right to boost treble response. Turn left to decrease treble.

⓬ Balance Control

This controls the volume balance between the left and right speakers. Turn the BALANCE control right to increase volume for the right speaker(s). Turn the BALANCE control left to increase volume for the left speaker(s). In the center position, left and right speakers have equal volume.

⓭ Volume Control and Volume Indicator Light

Turn the VOLUME control to adjust the volume. The VOLUME indicator lights up when the power is ON and flickers when the remote control is used for VOLUME and FADE MUTING.

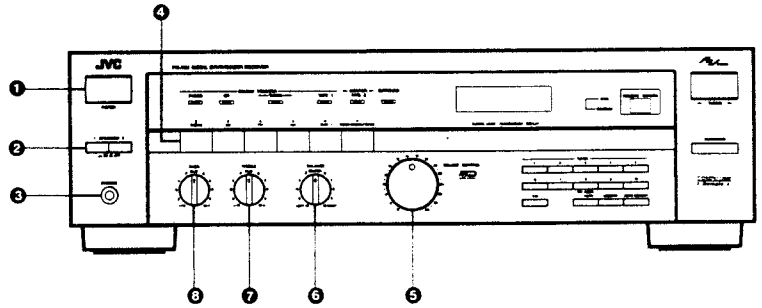
⓮ Tuner

Use the buttons on the tuner to tune in the AM or FM broadcast station you want to listen to. These buttons are also used for setting and recalling preset radio stations.

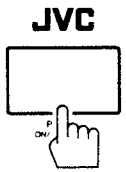
⓯ Surround Switch

This switch turns the surround sound effect ON or OFF.

Basic Operation



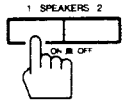
❶ To turn on your receiver, press the POWER switch on.



The Tuner Display Window lights up.

The Source Indicator Lights show the source that was last played.

❷ Select the speaker system you want by pressing the SPEAKERS 1 switch, the SPEAKERS 2 switch, or both switches.

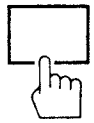


Note: *If just one pair of speakers is connected to the receiver and you press both SPEAKERS switches, no sound will be heard.*

❸ If you want to listen through headphones, plug them in to the Headphones Jack.

Note: *If you do not want sound coming through the speakers, press both SPEAKERS switches off.*

❹ Press one of the Source Select buttons to choose the stereo source you want to listen to.



The corresponding Source Indicator Light shows which stereo source is being played.

Note: *Operate the stereo sources (for example: CD, phono, tape deck) by following the appropriate instruction manuals.*

❺ Turn the VOLUME control to adjust the volume.

Important! *Listening to an extremely loud sound may cause a hearing defect. Adjust the volume properly. Especially when using headphones, avoid listening to an extremely loud sound.*

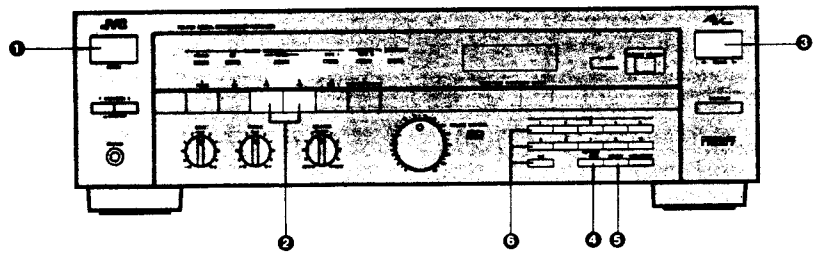
❻ Turn the BALANCE control left or right to set the balance between the left and right speakers.

❼ Turn the TREBLE control left or right to decrease or increase treble (high frequency) sound level.

❽ Turn the BASS control left or right to decrease or increase bass (low frequency) sound level.

RX-306BK
RX-307TN

Listening to Radio Broadcasts



Selecting an AM or FM Station

1. Turn the receiver on.
2. Press the AM or FM Source Select button.

- If you pressed the AM Source Select button, AM and kHz appear in the Tuner Display Window. The receiver tunes in the last AM frequency that was played.

- If you pressed the FM Source Select button, FM and MHz appear in the Tuner Display Window. The receiver tunes in the last FM frequency that was played.

3. Use the TUNING key to find the radio frequency you want to listen to. Press the right side of the key to find higher frequencies; press the left side of the key to find lower frequencies.

   When you release the TUNING key, the receiver auto-tunes until it tunes a station in. You can stop auto-tuning by pressing any tuner button.

   The TUNED indicator lights when the receiver is tuned precisely to either an AM or FM station.

Note: *Tap the TUNING key momentarily to change the frequency in steps of 10 kHz for AM and 0.1 MHz for FM. Hold the TUNING key down to change the frequency faster, then tap the key to set the frequency precisely.*

Important! *If the receiver is tuned to a station but the TUNED indicator doesn't light, try adjusting the antenna for better reception.*

When you tune to an FM station, the receiver automatically plays in stereo; the STEREO indicator and the AUTO indicator are lighted.

4. Press the FM MODE/MUTE button when listening to an FM station with a weak or noisy signal. Reception will be improved, although you will be listening to monaural (non-stereo) sound.

   The STEREO indicator and the AUTO indicator disappear.

Presetting an AM or FM Station

You can preset a total of 40 radio stations into the receiver's memory. You preset a station by assigning it a channel number (1 to 40). Once a station has been preset, you can tune to that station using the Numeric keys rather than the TUNING key.
(See "Using Numeric Keys" on page 11.)

1. Turn the receiver on.
2. Press the AM or the FM Source Select button.
3. Use the TUNING key to tune in the radio station you want to preset.
5. Press the MEMORY button.

   The MEMORY indicator lights and – – CH appears (– – blinks) in the Tuner Display Window for about five seconds.

6. Using the Numeric keys, enter the channel number (1 to 40) you want to assign to the station.

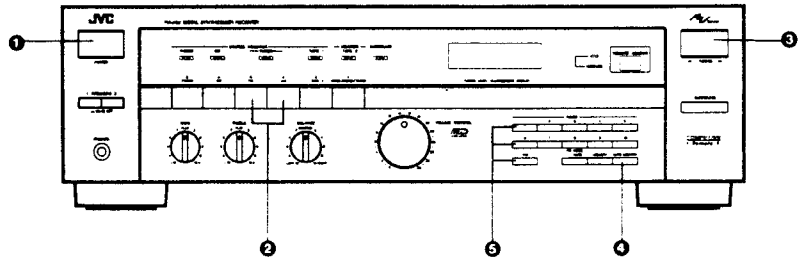
   The channel number appears in the Tuner Display Window.

Important! *You must enter the channel number while the MEMORY indicator is lighted. If the indicator turns off too soon, press the MEMORY button and start again.*

Repeat the above process to preset additional radio stations.

Note: *Preset stations are held in the receiver's memory as long as the receiver is plugged in. If the receiver is unplugged, or if a power failure occurs, the receiver will keep the presets for two or three days before erasing them.*

Using Auto-Memory



Auto-Memory

The Auto-Memory function lets you scan a series of radio stations, and preset the ones you want into the receiver's memory. The receiver will scan radio frequencies and preset the stations, as they are tuned, in ascending channel numbers.

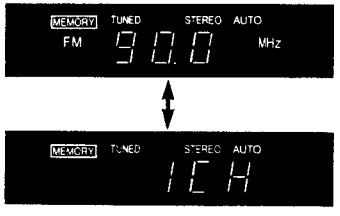
1. Turn the receiver on.
2. Press the AM or the FM Source Select button.
3. Use the TUNING key to find the lowest frequency you want to start scanning from.
4. Press the AUTO MEMORY button.

   The MEMORY indicator lights and – – CH appears (– – blinks) in the Tuner Display Window for about five seconds.

5. Using the Numeric keys, enter the lowest channel number (1 to 40) you want to assign a preset.

   Important! *You must enter the channel number while the MEMORY indicator is lighted. If the indicator turns off too soon, press the AUTO MEMORY button and start again.*

   When a radio station is tuned in, scanning stops. The TUNED indicator lights, and the first preset channel number and the frequency of the station tuned in are displayed alternately for about five seconds. When this station is preset, scanning starts again.



6. If you do not want to preset that station, press the AUTO MEMORY button while the channel number and frequency are displayed alternately. The receiver will start scanning again.

   This process continues automatically until all 40 channels are tuned or the upper frequency limit is reached.

Using Numeric Keys

Preset stations are set into the receiver's memory and recalled using the Numeric keys.

To indicate numbers 1 to 10, press the appropriate key. To indicate numbers 11 to 40, you need to use the +10 key and one other key. See the following examples.

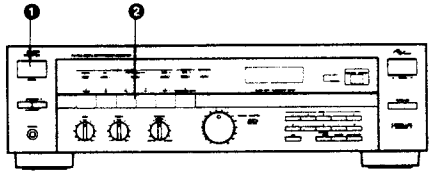
To indicate **17:** press the **+10** key, then the **7** key.

To indicate **20:** press the **+10** key, then the **10** key.

To indicate **25:** press the **+10** key twice, then the **5** key.

To indicate **40:** press the **+10** key three times, then the **10** key.

Recording Tapes



If you have a tape deck connected to the TAPE 1 or TAPE 2/VIDEO SOUND jacks of the receiver, you can record other stereo sources onto a tape.

❶ Turn the receiver on.

❷ Press the Source Select button for the source you want to record from.

Note: *When recording from TAPE 2 to TAPE 1, press the TAPE 2/VIDEO SOUND button and another button other than TAPE 1.*

- Use the tape deck to record the source as it is playing. Follow the instructions for your tape deck.

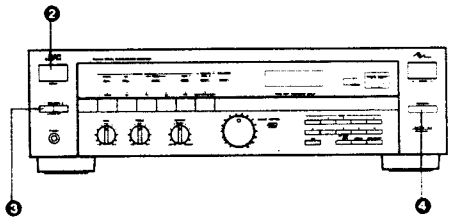
Note: *Adjusting the VOLUME control of the receiver will not affect the recording level. Follow the instructions for your tape deck.*

Three-Head Tape Decks

If you have a three-head tape deck, you can use it to monitor the sound being recorded. Connect the tape deck to the TAPE 2/VIDEO SOUND jacks of the receiver and proceed as follows:

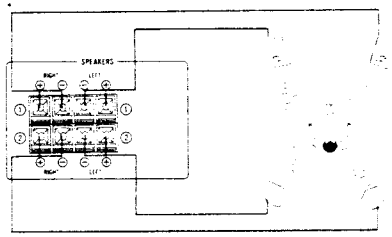
- Start recording the source onto the TAPE 2 deck.
- When the TAPE 2 MONITOR Indicator Light is off, you hear the sound of the source playing through the speakers.
- Press the TAPE 2/VIDEO SOUND button. The TAPE 2 MONITOR Indicator Light will light. Now you hear the sound of the recording immediately as it is made on the tape.
- By pressing the TAPE 2/VIDEO SOUND button on and off, you can compare the sound quality of the source with the quality of the tape recording being made.

Playing Back with a Surround-sound Effect



Playing back a stereo source with the SURROUND key ON will produce a surrounding sound effect.

❶ Connect speaker systems to the SPEAKERS 1 and 2 terminals.



Note: *A single speaker system can produce a surrounding sound effect by itself, but the use of two speaker systems is recommended for a more ideal surrounding sound effect.*

❷ Turn the receiver on.

❸ Turn ON the SPEAKERS switches 1 and 2.

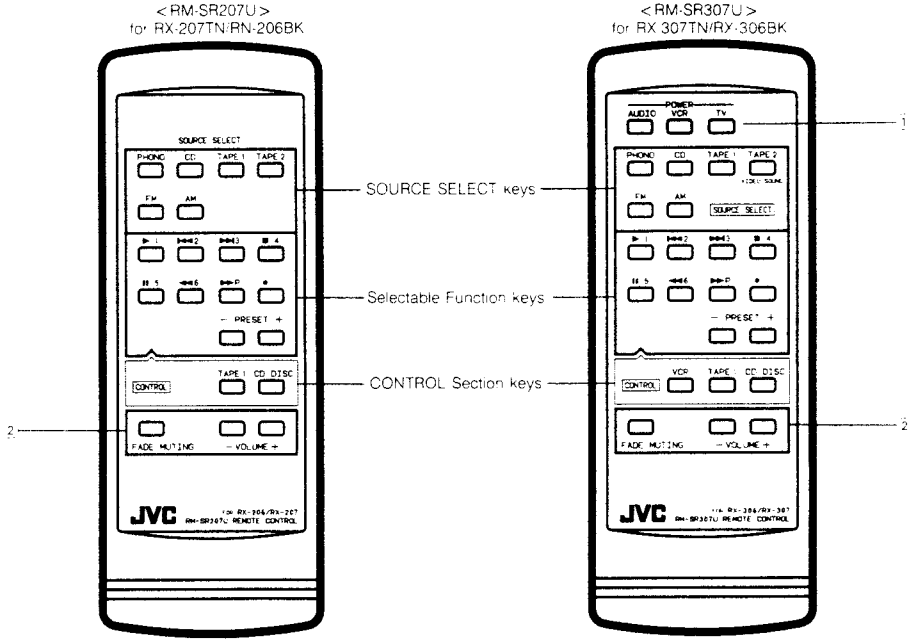
❹ Press the SURROUND key.

❺ Play back the stereo source.

- If a speaker system with a low-rated input is connected to SPEAKERS 2, avoid using it independent of SPEAKERS 1, and pay attention to its VOLUME control during surrounding sound playback.
- Monaural source cannot be played back with the surround sound effect.

Using the Remote Control

Aim the signals at the REMOTE SENSOR on the receiver.



- The remote control unit provided control the receiver and JVC's audio visual gear from a remote place via the Compu Link Remote Control System.
- Direct the transmitter window of the remote control unit at target equipment within a distance of 7 meters. Take care to avoid obstacles between the transmitter and the target. Press keys slowly and positively, making sure the desired functions result.
- The key markings on the transmitter may not match those on the equipment. Check the markings.
  The remote control unit cannot control equipment functions they do not support. Older equipment may not be receptive to their input.
- Check for connection of the COMPU LINK-1 or COMPU LINK-3 SYNCHRO terminals on the remote equipment by a remote cable.
- Switch on the power to all the equipment required before starting operation.
- When operating the VCR by RM-SR307U, if the VCR has a raemote control code switch, set the switch to "A" mode.

1 **POWER** (RM-SR307U only)
AUDIO: Press to change the power for the receiver ON or STANDBY
VCR: Press to turn on or off the power to JVC's VCR
TV: Press to turn on or off the power to JVC's TV receiver

2 **VOLUME (–, +)**
Press to adjust the output sound level.
FADE MUTING
Press to decrease the output sound level gradually.

Operating the source equipment

FM/AM broadcast

1. Press the FM or AM key of the SOURCE SELECT keys.
2. Use the Selectable Function keys.
   PRESET
   + : Scans to higher preset channels.
   – : Scans to lower preset channels.

Turntable

1. Press the PHONO key of the SOURCE SELECT keys.
2. Use the Selectable Function keys.
   ► : Starts play.
   ■ : Stop play.

CD Player

1. Press the CD key of the SOURCE SELECT keys.
2. Use the Selectable Function keys.
   ► : Starts play.
   ■ : Stops operation.
   ⏮ : Skips to the beginning of the previous track.
   ⏭ : Skips to the beginning of the next track.
   ◄◄ : Moves backward quickly during play.
   ►► : Moves forward quickly during play.
   ❚❚ : Stops play temporarily. To release it, press ►.

CD Auto-changer

1. Press the CD DISC key of the CONTROL Section keys.
2. Use the Selectable Function keys.
   1 – 6, P Select the disc number.
3. Press the CD key of the SOURCE SELECT keys.
4. Use the Selectable Function keys.
   ► : Starts play.
   ■ : Stops operation.
   ⏮ : Skips to the beginning of the previous track.
   ⏭ : Skips to the beginning of the next track.
   ◄◄ : Moves backward quickly during play.
   ►► : Moves forward quickly during play.
   ❚❚ : Stops play temporarily. To release it, press ►.

Tape Deck (TAPE 1)

1. Press the TAPE 1 key of the SOURCE SELECT or CONTROL Section keys.
2. Use the Selectable Function keys.
   ► : Starts playback.
   ■ : Stops operation.
   ⏮ : Skips to the beginning of the previous tune.
   ⏭ : Skips to the beginning of the next tune.
   ❚❚ : Stops playback/recording temporarily. To release it, press ►.
   ◄◄ : Fast winds the tape from right to left.
   ►► : Fast winds the tape from left to right.
   ● : Press together with ► to start recording. Press together with ❚❚ to enter record-pause mode.

- Use CONTROL Section keys (VCR or TAPE 1) to operate an equipment while you are listening to the sound of another source, for example, to have a tape deck standby while playing a CD.

Tape Deck (TAPE 2)

1. Press the TAPE 2 key of the SOURCE SELECT keys.
2. A tape deck connected to the TAPE 2/VIDEO SOUND terminal cannot be operated with the remote control unit. Use the switches or buttons on the apparatus.

VCR (RM-SR307U only)

- Aim the signals directly at the VCR.

1. Press the VCR key of the CONTROL Section Keys.
2. Use the Selectable Function keys.
   ► : Starts playback.
   ■ : Stops operation.
   ❚❚ : Stops playback/recording temporarily and enters the pause/still mode. To release it, press ►.
   ◄◄ : Rewinds video tape.
   ►► : Fast-forwards video tape.
   ● : Press together with ► to start recording. Press together with ❚❚ to enter record-standby mode.

Inserting Batteries

Batteries

The Remote Control unit uses two (2) AAA size (UM-4, R03 1.5V) batteries.

The use of long-life dry cells is recommended.

Battery Replacement

If the range of the remote seems shortened, the batteries may be old. Try replacing the old batteries.

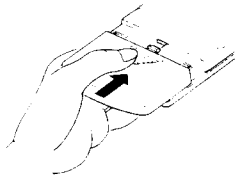
Important! *Do not use a new battery with an old battery.*

Use batteries of the same brand. Batteries can vary in voltage even though they look alike.

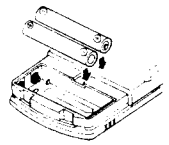
If you are not planning to use the remote control for an extended period of time, remove the batteries.

Caution: Do not heat batteries or attempt to dispose of them by burning.

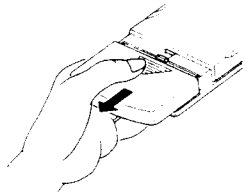
1. Remove the rear cover of the remote control unit by pressing down gently while sliding it out.



2. Insert the batteries, making sure that their position matches that of the diagram inside the remote.



3. Replace the rear cover.



Troubleshooting

Problem	Possible Cause	Solutions
Receiver does not play; indicators do not light up.	Power cord not plugged in.	Plug Power cord into an AC outlet.
No sound from the speakers.	Speaker wires not connected properly.	Check speaker wiring. Reconnect if needed.
	Speaker Buttons not set correctly.	Press the Speaker Buttons in or out as desired.
Sound from one speaker only.	Speaker wires not connected properly.	Check speaker wiring. Reconnect if needed.
	Balance Control may be set to one extreme.	Slide Balance Control so both speakers have sound.
Continuous hiss or buzzing during FM reception.	Incoming signal may be too weak.	Adjust antenna.
		Station may be too far away to receive.
	Incorrect antenna used.	Check with your dealer to make sure you are using the correct type of antenna.
	Antenna not connected properly.	Make sure all antennas are properly connected.
Occasional cracking noise during FM reception.	Ignition noise from automobiles.	Move the antenna further away from the road.
Loud hum during record playing.	Turntable not connected properly.	Check the turntable manual. Ground the turntable if required.
	Interference from other electrical appliances.	Try moving the power cord or plugging into a different outlet.
Howling during record playing.	Turntable too close to a speaker.	Move speakers away from the turntable.

Specifications

RX-207TN/RX-206BK		RX-307TN/RX-306BK
	Amplifier Section	
40 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.08% total harmonic distortion.	Output Power (CD in Speakers out)	80 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.03% total harmonic distortion.
0.05% at 40 watts	Intermodulation Distortion	0.03% at 80 watts
	Input Sensitivity/Impedance	
2.5 mV/47k ohms	PHONO	2.5 mV/47k ohms
200 mV/47k ohms	TAPE 1 PLAY, TAPE 2 PLAY, CD	200 mV/47k ohms
200 mV	Recording Output Level	200 mV
	Frequency Response	
20 Hz to 20 kHz ±1dB	CD, TAPE 1, TAPE 2	20 Hz to 20 kHz ±1dB
	Signal-to-Noise Ratio	
70dB ('66 IHF), 78dB ('78 IHF REC OUT)	PHONO	70dB ('66 IHF), 78dB ('78 IHF REC OUT)
91dB ('66 IHF), 80dB ('78 IHF)	CD, TAPE 1, TAPE 2	91dB ('66 IHF), 80dB ('78 IHF)
	FM Tuner Section	
87.5 MHz to 108.0 MHz	Tuning Range	87.5 MHz to 108.0 MHz
Mono: 10.8 dBf (0.95μ V/75 ohms)	Usable Sensitivity	Mono: 10.8 dBf (0.95μ V/75 ohms)
Mono: 16.3 dBf (1.8μ V/75 ohms) Stereo: 38.3 dBf (22.5μ V/75 ohms)	50dB Quieting Sensitivity	Mono: 16.3 dBf (1.8μ V/75 ohms) Stereo: 38.3 dBf (22.5μ V/75 ohms)
Mono: 80 dB Stereo: 73 dB	Signal-to-Noise Ratio	Mono: 80 dB Stereo: 73 dB
Mono: 0.15% Stereo: 0.2%	Total Harmonic Distortion (1 kHz)	Mono: 0.15% Stereo: 0.2%
30 Hz to 15 kHz, +0.5 dB, −3 dB	Frequency Response	30 Hz to 15 kHz, +0.5 dB, −3 dB
1.5 dB	Capture Ratio (85 dBf)	1.5 dB
60 dB, ±400kHz	Alternate Channel Selectivity	60 dB, ±400kHz
85 dB (at 98 MHz)	IF Response Ratio	85 dB (at 98 MHz)
40 dB (at 1 kHz)	Stereo Separation	40 dB (at 1 kHz)
	AM Tuner Section	
530 kHz to 1,710 kHz	Tuning Range	530 kHz to 1,710 kHz
30μ V* (external) 300μ V/m* (loop antenna)	Sensitivity	30μ V* (external) 300μ V/m* (loop antenna)
50 dB (100mV/m)	Signal-to-Noise Ratio	50 dB (100mV/m)
25 dB (±10 kHz)	Selectivity	25 dB (±10 kHz)
	General	
AC 120V~, 60 Hz	Power Requirements	AC 120V~, 60 Hz
120 watts, 150VA	Power Consumption	190 watts, 260VA
17-3/16 x 5 x 13 inches (435 x 126 x 330 mm)	Dimensions (Width x Height x Depth)	17-3/16 x 5 x 13 inches (435 x 126 x 330 mm)
14.8 lbs. (6.7 kg)	Weight	18.3 lbs (8.3 kg)

*Measured at 1,000 kHz.
Design and specifications subject to change without notice.

JVC
VICTOR COMPANY OF JAPAN, LIMITED

1091NF1542TM